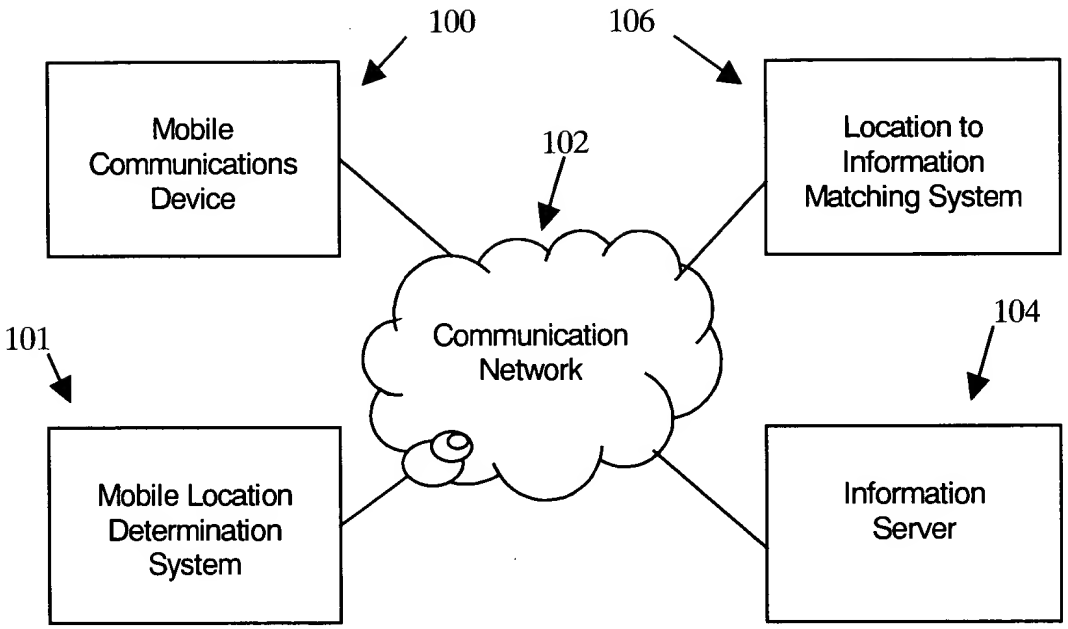

Figure 1 (Prior Art)

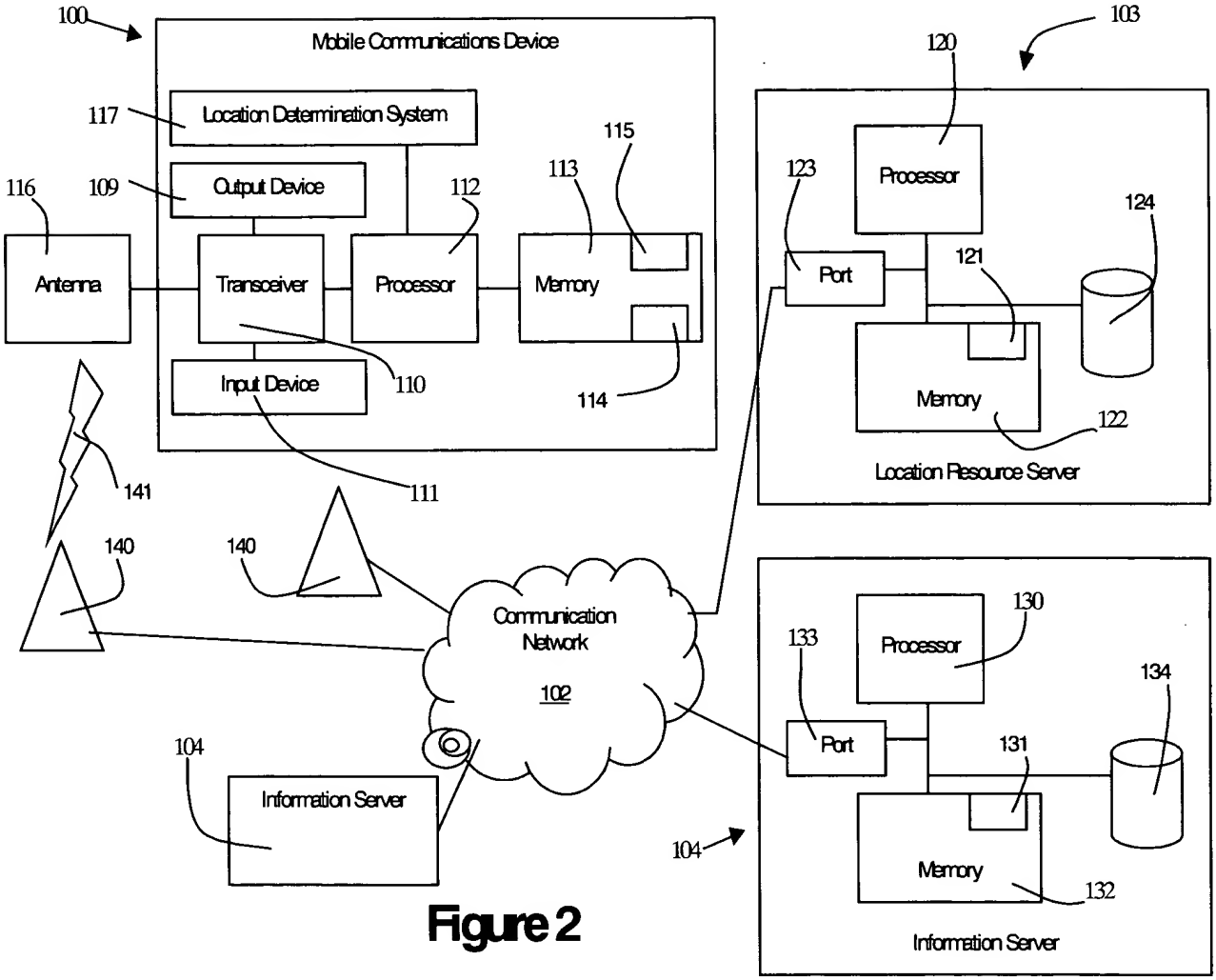
100
Mobile Communications Device
117
Location Determination System
116
109
Output Device
112
113
115
Antenna
Transceiver
Processor
Memory
110
Input Device
114
111
141
140
140
Communication Network
102
104
Information Server
103
120
Processor
123
124
Port
121
Memory
122
Location Resource Server
130
133
Processor
134
Port
131
Memory
132
104
Information Server

Figure 2

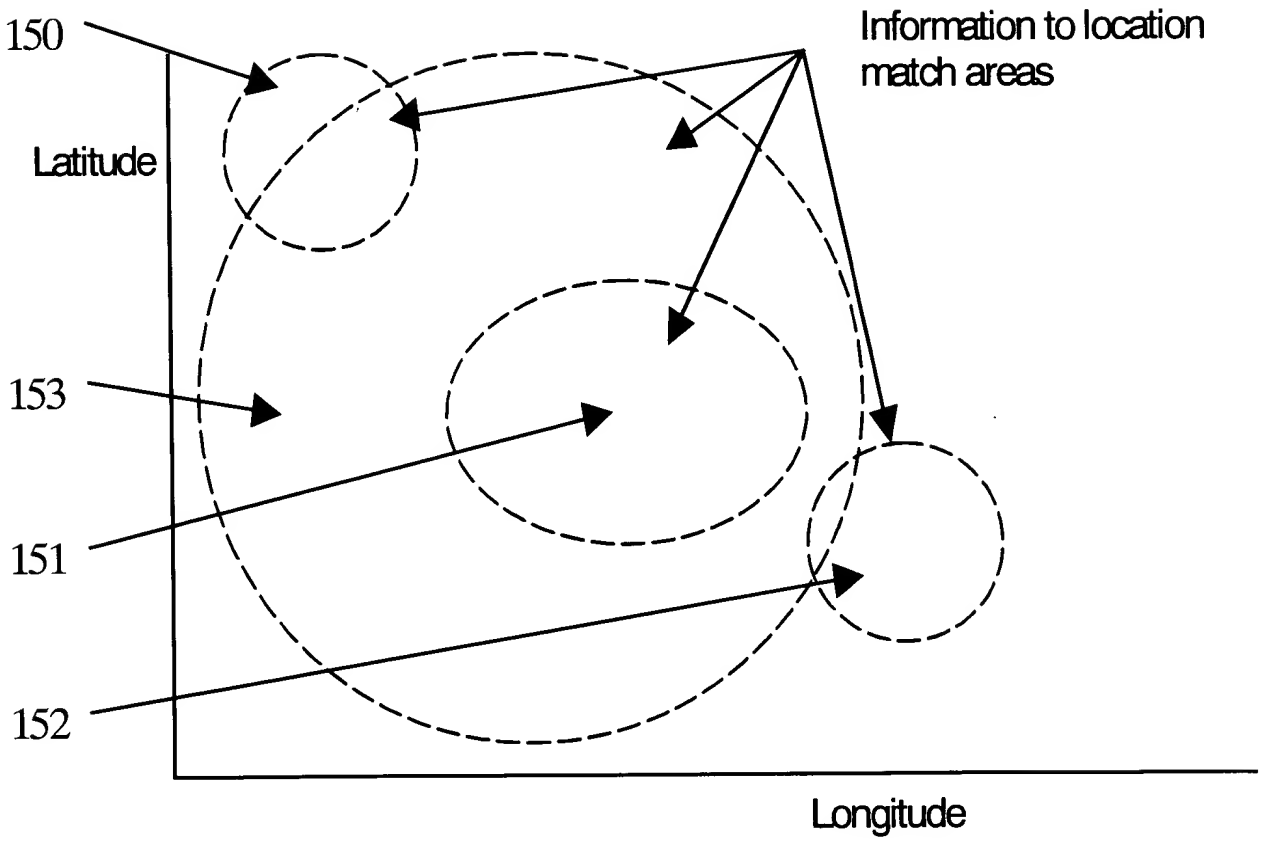
150
Information to location match areas
Latitude
153
151
152
Longitude

Figure 3

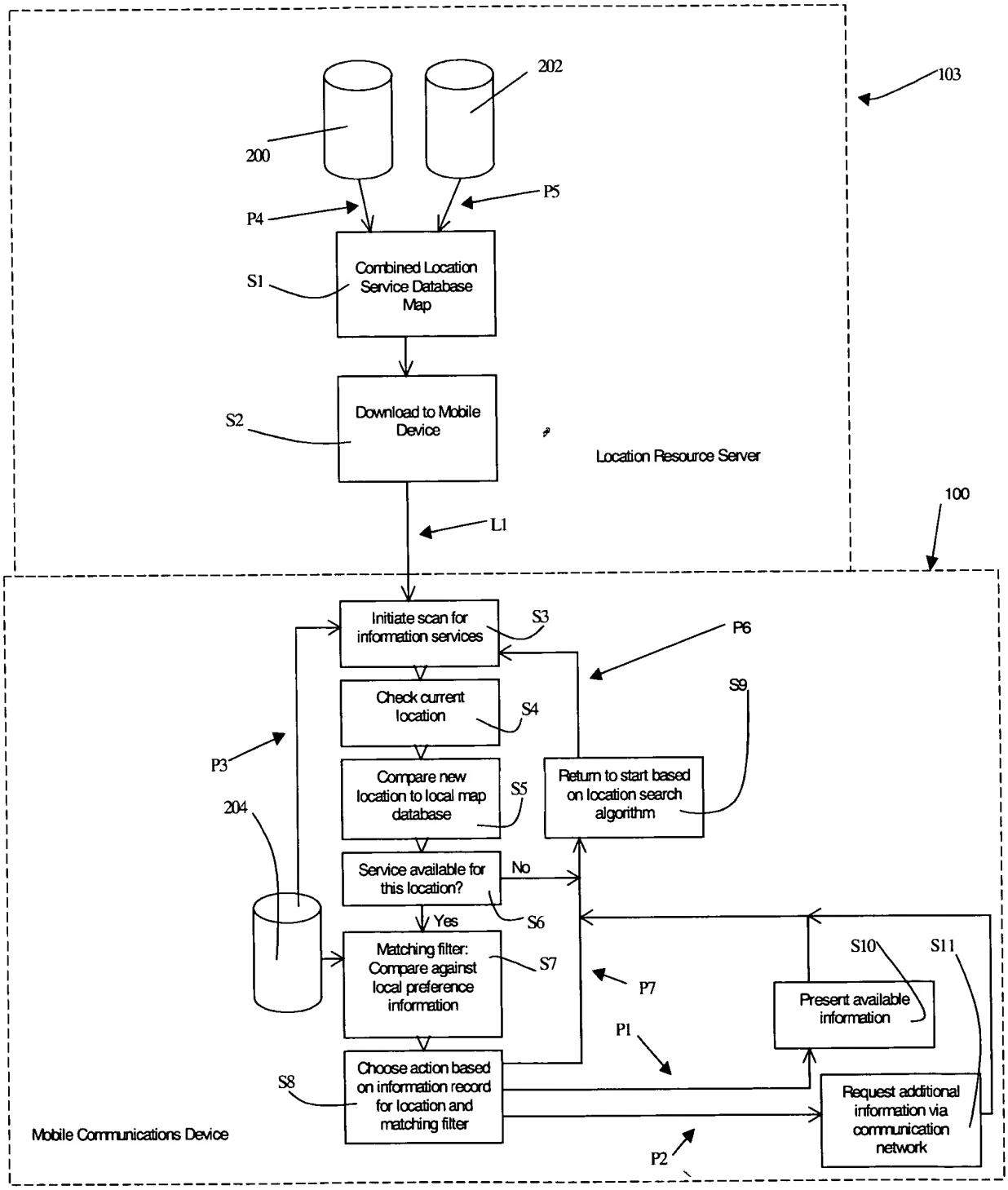
103
202
200
P4
P5
Combined Location Service Database Map
S1
Download to Mobile Device
S2
Location Resource Server
100
L1
Initiate scan for information services
S3
P6
Check current location
S4
S9
P3
Compare new location to local map database
S5
Return to start based on location search algorithm
204
Service available for this location?
No
S6
Yes
Matching filter: Compare against local preference information
S7
P7
S10
S11
Present available information
P1
Choose action based on information record for location and matching filter
S8
Request additional information via communication network
Mobile Communications Device
P2

Figure 4

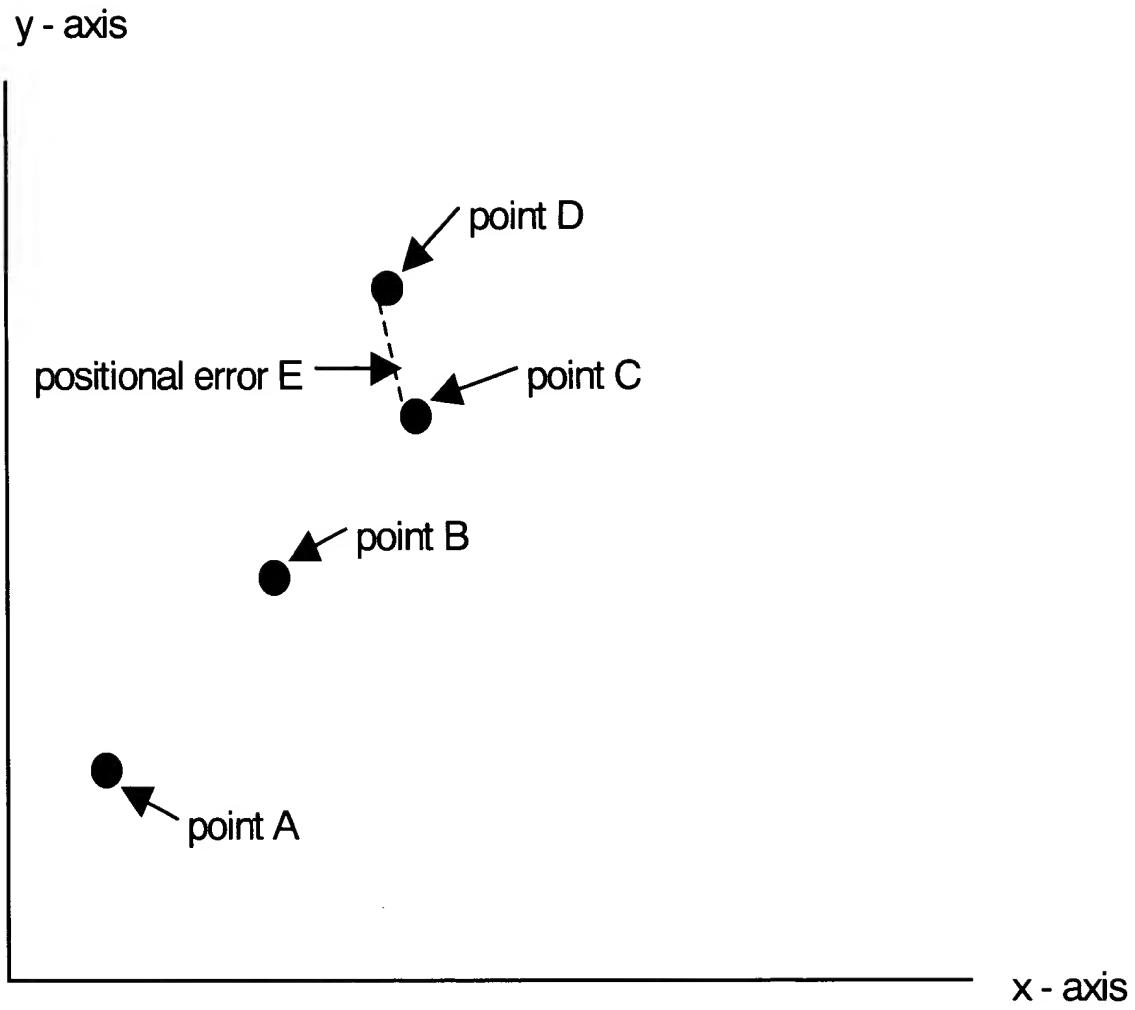
y - axis
point D
positional error E
point C
point B
point A
x - axis

Figure 5

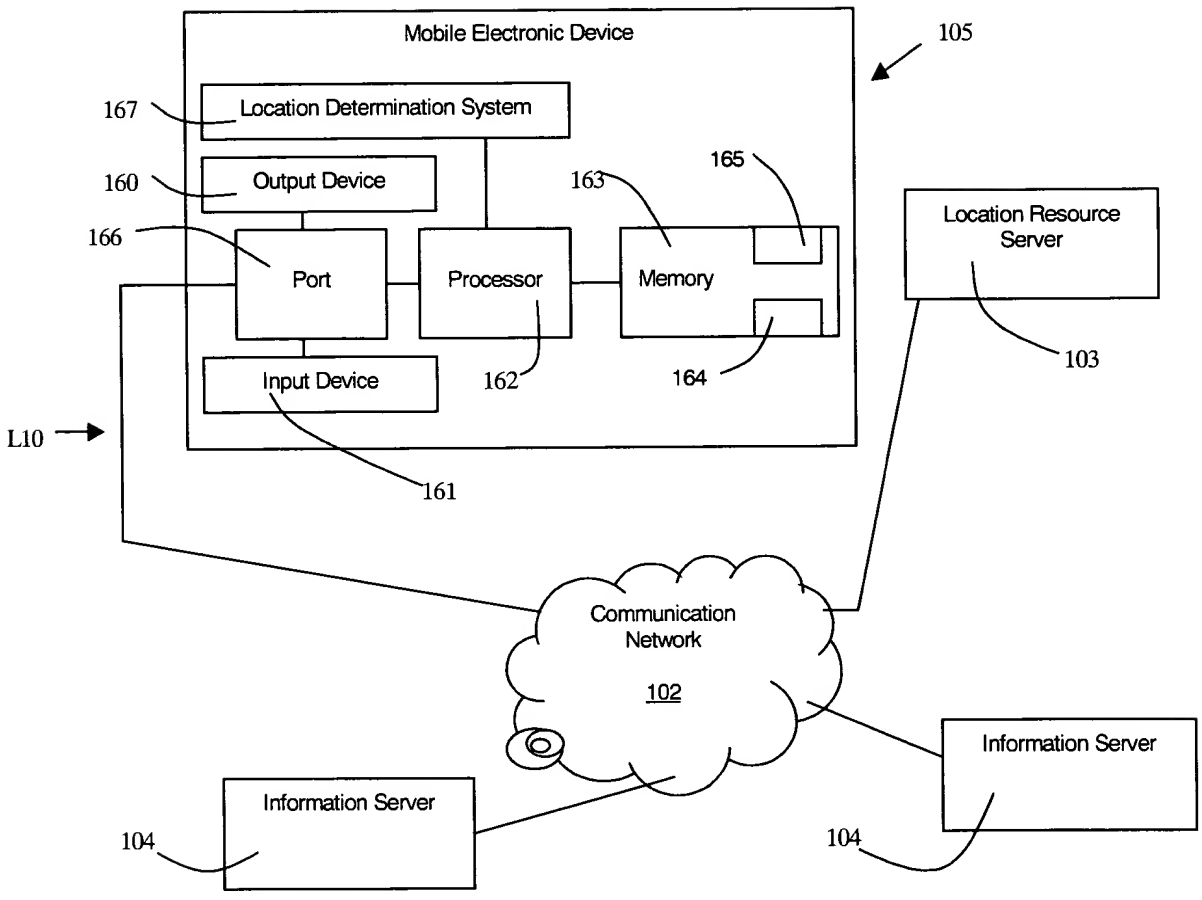
Mobile Electronic Device
105
167
Location Determination System
160
Output Device
165
163
166
Port
Processor
Memory
Location Resource Server
103
162
164
Input Device
L10
161
Communication Network
102
Information Server
104
Information Server
104

Figure 6